Full Sonde Calibration Log Sheet

Sonde ID: _	Date:	Time: _	Calibrator's Initials:				
Battery Check (V): F		Field User's Initials (if different from Calibrator):					
Temperatur	e (°C):		Temperature must be recorded for all Calibrations (even single probe calibrations)!				
		DO Probe Cali	<u>ibration</u>				
Routine Mai	ntenance Checklist	:					
XL Y	 Check the age of the DO probe. It should be no more than 2 years old for 600 XL YSIs (5-7 years for 556 YSIs). First 3 characters of Serial # Is it too old? ☐ Yes or ☐ No 						
	2. Is the D.O. Membrane > 30 days old? ☐ Yes or ☐ No If so, it needs to be changed regardless of the amount of use it has seen.						
3. For those sondes that have it, is the D.O. charge <100? ☐ Yes or ☐ No If not, then resurface the probe's electrodes with sandpaper.							
Atmospheri	c Pressure (mm Hg)	:	□ New DO Membrane Installed				
Initial % Sat:		Final % Sat:					
Initial DO (m	ıg/L):	_ Final DO (mg/L)): DO Charge:				
	Specific C	Conductance F	Probe Calibration				
Routine Mai	ntenance Checklist	:					
expe recal strea	ctations of the strea ibrate between st	nms/sites you will treams/sites due 0 vs. 10000 μmho	should be calibrated according to the be sampling. It may be necessary to to extreme differences between os/cm). Was Specific Conductance				
more	2. Be sure to check the age of the Specific Conductivity probe. It should be no more than 3 years old. First 3 characters of Serial # Is it too old? ☐ Yes or ☐ No						
Conductivity	y Solution (μmhos/c	m):	_				
Initial Sp Co	nd (μmhos/cm):	Final Sp	Cond (μmhos/cm):				
-	Cond Check (i.e., < Deionized or □ Dis		Sp Cond (μmhos/cm):				
	l-Range Sp Cond Ch y Solution (μmhos/		1000 μmhos/cm) Sp Cond (μmhos/cm):				

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pH Probe Calibration

Routine Maintenance Checklist:

	st 3 characters of Se	-	no more than 12 to 18					
Solutions and 7	2. If the pH probe has electrodes that can be refreshed with new Reference Solutions and Tablets, check them to see if they need refreshed. Was new pH Reference Solution & Tablet Installed? □ Yes or □ No							
same pH range (i.e., calibration for best p	4-7 vs. 7-10), pH cossible accuracy. then on-site recalik	should be calibrate Should a stream si	ected to fall within the ed using a two-point ite fall outside of the fall expectations are					
Initial pH (7):	Final pH (7):	mV (7):	(0 +/- 30 mV)					
probe is still us the ranges of m	seable, but should k V on the 10 and/or 4 ger be used. Is the	be monitored closely buffer solutions. Af	veen +/- 30-50 mV, the for irregularities with ter +/- 50mV, the probe howing an acceptable					
Initial pH (10):	Final pH (10):	mV (10):	(-180 +/- 30 mV)					
Initial pH (4):	Final pH (4):	mV (4):	(+180 +/- <i>30 mV)</i>					
4. Is the Nernst Eq	uation (mV ranges)	OK for all the calibrat	tion points? □ Yes or □					
	Probe Mai	ntenance Info						
Probe Installed: ☐ New	/ or □ Used	Probe Type: □ pH	□ DO □ Temp/Sp. Cond.					
Probe Model #:		Probe S/N:						
Calibration/Maintenand	ce Notes:							

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